

Entered in NID File
 Location Map Pinned
 Card Indexed

Checked by Chief
 Approval Letter
 Disapproval Letter

COMPLETION DATA:

Date Well Completed *9-22-76*

Location Inspected

OW..... WW..... TA.....

Bond released

GW..... OS..... PA.✓...

State or Fee Land

LOGS FILED

Driller's Log...✓.....

Electric Logs (No.)

E..... I..... Dual I Lat..... GR-N..... Micro.....

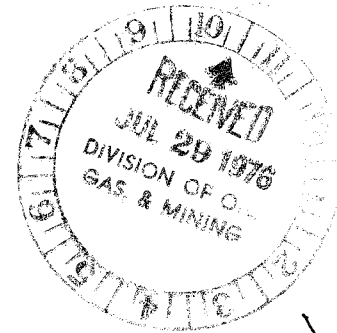
BNC Sonic GR..... Lat..... Mi-L..... Sonic.....

CBLog..... CCLog..... Others.....

CHARLES H. MARTIN
Box 1267
Littleton, Colorado 80120

303-794-7292

July 21, 1976



*File to
Copies*

State of Utah
Department of Natural Resources
Division of Oil, Gas, and Mining
1588 West North Temple
Salt Lake City, Utah 84116

Attention: Mr. Cleon B. Feight, Director

Re: Houston Oil and Minerals Corp
Application for Permit to Drill
Federal 11-6
Federal 23-29

PK

Dear Mr. Feight:

Enclosed are two (2) copies each, of Federal Form #9-331 C for the following wells:

Houston Oil and Minerals Corp.
Lease no. U-29591
Castle Creek Prospect
Well no. Federal 11-6
Location: NW NW Sec. 6-T39S-14E

Houston Oil and Minerals Corp.
Lease no. U-29607
Steer Gulch Prospect
Well no. Federal 23-29
Location: NE SW Sec. 29-T38S-R16E

*OK
Following day
letter
& map
To come
Am
Holding*

It was a pleasure to talk with you and I really appreciate your verbal go-ahead on our Castle Creek Prospect. Hope to visit your office someday.

Very truly yours,

C. H. Martin

CHM:cem
cc Houston Oil and Minerals

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Houston Oil and Minerals Corporation

3. ADDRESS OF OPERATOR

1700 Broadway Suite 504 Denver, Co. 80203

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

647 FWL 660 FNL of Sec. 6 T39S-R14E

At proposed prod. zone

same

NW NW 6

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

5. LEASE DESIGNATION AND SERIAL NO.

U-29591

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

11-6

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec. 6-T39S-14E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

647

16. NO. OF ACRES IN LEASE

2536

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

7150

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

GLE 5383

22. APPROX. DATE WORK WILL START*

August 1976

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17½	13 3/8	48	150	200
12½	9 5/8	32.3	1500	150
8 3/4-7 7/8	5½	14-15.5-17	7150	to cover prod. zones

Set 13 3/8 conductor, circ. cement, install BOP, drill to approx. 1500' with native mud, set 9 5/8 surface casing-nipple up with 10" ser 900 double-hydraulic Ram Type BOP, install necessary fill, kill, and choke lines. Pressure test to 1000 psi. No high pressures anticipated, but minimum safety requirements for State of Utah and USGS will be followed.

Drill to approx. 7150' TD, using air or foam, if possible, or low solids chem-gel drilling mud. Mud logging and sample analysis will be used from surface to total depth, with cores and DSTs taken when necessary to properly evaluate any potential productive zones.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Ron Scott

TITLE

Drlg. Engr.

DATE

7-12-76

(This space for Federal or State office use)

PERMIT NO.

43-034-30301

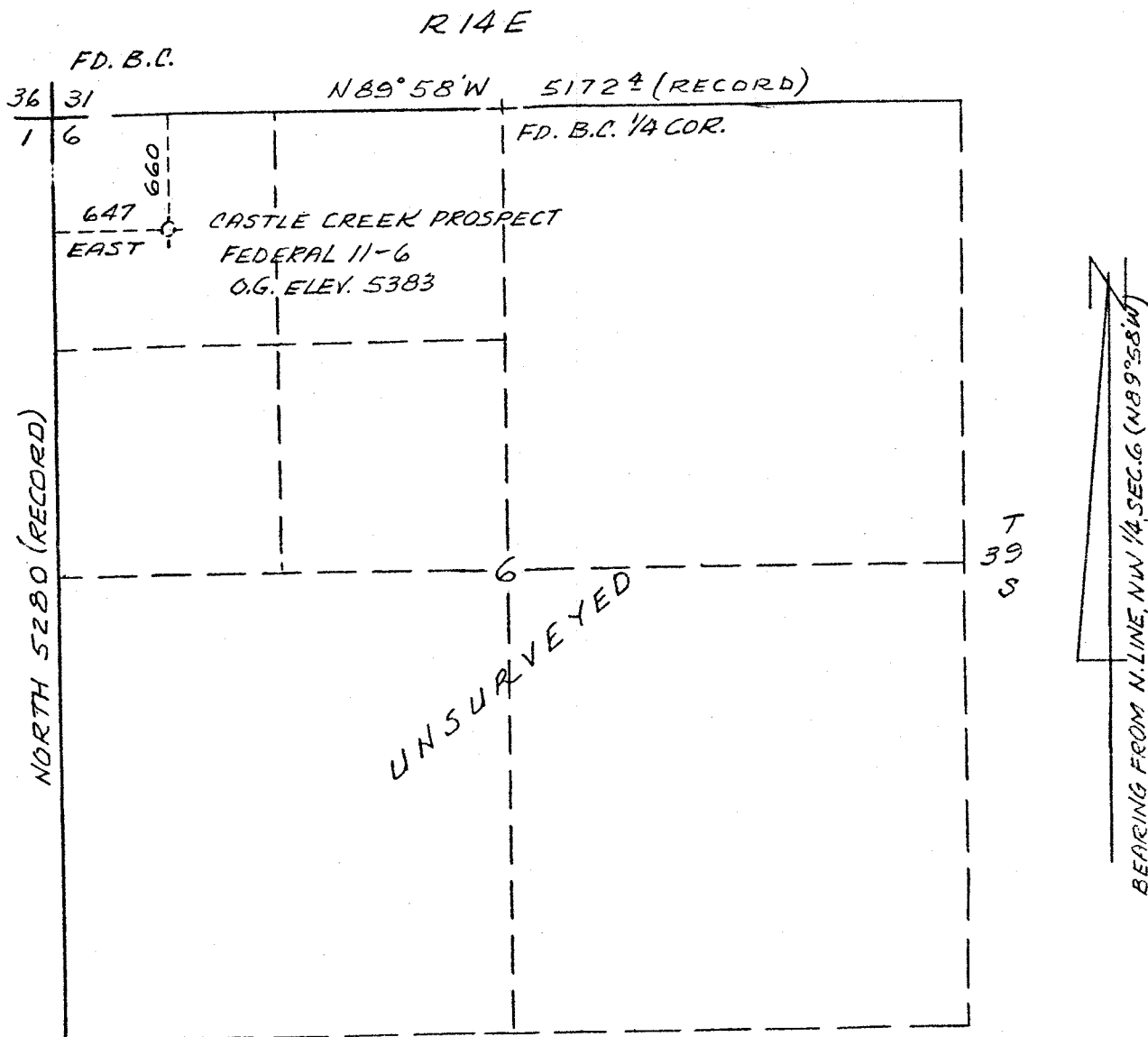
APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



WELL LOCATION PLAT
 CASTLE CREEK PROSPECT-FEDERAL 11-6
 IN NW 1/4 NW 1/4, SECTION 6, T39S, R14E, S.L.B. & M.
 SAN JUAN COUNTY, UTAH
 SCALE: 1" = 1000' MAY 25, 1976
 FOR: HOUSTON OIL & MINERALS CORP.
 TRANSIT & DISTANCE METER SURVEY
 ELEV. BY VERT. ANGLES FROM V.A.B.M. "MDKI,"
 (5994) U.S.G.S. QUAD. "CLAY HILLS, UTAH" 1954

John E. Keogh
 UTAH REG'D L.S. No 1963

DIVISION OF OIL, GAS, AND MINING

FILE NOTATIONS

Date: July 30, 1976
Operator: Houston Oil & Minerals Corp.
Well No: Federal 11-6
Location: Sec. 6 T. 39S R. 14E County: San Juan
NW NW

File Prepared



Entered on N.I.D.



Card Indexed



Completion Sheet



Checked By:

Administrative Assistant:

[Signature]

Remarks:

No other well in area

Petroleum Engineer/Mined Land Coordinator:

[Signature]

Remarks:

Director:

7

Remarks:

Include Within Approval Letter:

Bond Required

☐

Survey Plat Required

☐

Order No.

☐

Blowout Prevention Equipment

☐

Rule C-3(c) Topographical exception/company owns or controls acreage within a 660' radius of proposed site

☐

O.K. Rule C-3



O.K. In _____ Unit

☐

Other:

☐

Letter Written

July 30, 1976

Houston Oil & Minerals Corporation
1700 Broadway
Suite 504
Denver, Colorado 80203

Re: Well No. Federal 11-6
Sec. 6, T. 39 S, R. 14 E,
San Juan County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PATRICK L. DRISCOLL - Chief Petroleum Engineer
HOME: 582-7247
OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

The API number assigned to this well is 43-037-30301.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
DIRECTOR

CBF:sw

cc: U.S. Geological Survey

STATE OF UTAH
DIVISION OF OIL & GAS CONSERVATION
DEPARTMENT OF NATURAL RESOURCES

CIRCULATE TO:

DIRECTOR _____
PETROLEUM ENGINEER _____
MINE COORDINATOR _____
ADMINISTRATIVE ASSISTANT _____
ALL _____

RETURN TO Kathy
FOR FILING

PLUGGING PROGRAM

NAME OF COMPANY HOUSTON OIL & MINERALS

WELL NAME Castle Creek Federal 11-6

API NO: 43-037-30341

Sec. 6 Township 39 S Range 14 E County San Juan

Verbal Approval Given to Plug the Above Referred to Well in the Following Manner:

Total Depth: 6243'

Casing Program:

13 3/8" @ 147'
9 5/8" @ 1658.91'
7" @ 4426'

Formation Tops:

Navajo - Surface
Chinle - 580'
Cutler - 1580'
Cedar Mesa - 2090'
Hermosa - 3460'
Molas - 4930'
Mississippian - 5150'
Devonian - 5710'
Cambrian - 6070'

Plugs Set as Follows:

5650 - 5750'
5100 - 5200'
4375 - 4475'
Cut off 7", place plug 50' in and 50' out
1600 - 1700' (bottom of 9 5/8") 50' in and 50' out
Cut off 9 5/8", place plug 50' in and 50' out
15 sack plug on top, with marker

NO SHOWS OF OIL, GAS OR FRESH WATER, NO DST's RUN OR CORES: RUNNING E-LOGS
TONIGHT ... Program approved by the U.S.G.S.

Date: September 23, 1976

Signed: Schmitt

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116



REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name and Number H.O.M. Castle Creek Federal 11-6

Operator Houston Oil and Minerals Corporation

Address 1700 Broadway - Suite 504, Denver, Colorado 80290

Contractor Loffland Brothers

Address Farmington, New Mexico

Location NW 1/4, NW 1/4, Sec. 6; T. 39 N; R. 14 E; San Juan County
S W

Water Sands:

	Depth: From- To-	Volume: Flow Rate or Head-	Quality: Fresh or salty-
1.	<u>4455-80</u>	<u>30 gal/hr. (est 300 psi)</u>	<u>Fresh</u>
2.	<u>4929-30</u>	<u>200 gal/hr. (est 350 psi)</u>	<u>(Chlorides: 1400 ppm)</u> <u>Brackish</u>
3.			<u>(Chlorides: 2000 ppm)</u>
4.			
5.			

(continue on reverse side if necessary)

Formation Tops:

- NOTE:
- (a) Upon diminishing supply of forms, please inform this office.
 - (b) Report on this form as provided for in Rule C-20, General Rules And Regulations and Rules of Practice and Procedure.
 - (c) If a water quality analysis has been made of the above reported zone, please forward a copy along with this form.



CALVIN L. RAMPTON
Governor

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

CLEON B. FEIGHT
Director

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

December 30, 1976

OIL, GAS, AND MINING BOARD

GUY N. CARDON
Chairman

CHARLES R. HENDERSON
ROBERT R. NORMAN
I. DANIEL STEWART
HYRUM L. LEE

Houston Oil & Minerals Corp.
1700 Broadway, Suite 504
Denver, Colorado 80290

Electric log run: 9/23/76

Re: Well No. Federal 11-6
Sec. 6, T. 39S, R. 14E
San Juan County, Utah

Gentlemen:

This letter is to advise you that the "Well Completion or Recompletion Report and Log" and electric and or radioactivity logs for the above referred to well are due and have not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3 in duplicate, and forward them to this office as soon as possible. If electric and or radioactivity logs were not run, please make a statement to this effect in order that we may keep our records accurate and complete.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

KATHY OSTLER
RECORDS CLERK



CALVIN L. RAMPTON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING

1588 West North Temple

Salt Lake City, Utah 84116

(801) 533-5771

March 22, 1977

GUY N. CARDON
Chairman

CHARLES R. HENDERSON
ROBERT R. NORMAN
I. DANIEL STEWART
HYRUM L. LEE

CLEON B. FEIGHT
Director

Houston Oil & Minerals Corporation
1700 Broadway, Suite 504
Denver, Colorado 80290

Re: Well No. Federal 11-6
Sec. 6, T. 39S, R. 14E
San Juan County, Utah
Second Request

electric log run:
9-23-76

Gentlemen:

This letter is to advise you that the "Well Completion or Recompletion Report and Log" and electric and or radioactivity logs for the above referred to well are due and have not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3 in duplicate, and forward them to this office as soon as possible. If electric and or radioactivity logs were not run, please make a statement to this effect in order that we may keep our records accurate and complete.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

KATHY OSTLER
RECORDS CLERK



HOUSTON OIL & MINERALS CORPORATION

March 29, 1977

State of Utah
Division of Oil, Gas & Mining
1588 West North Temple
Salt Lake City, Utah 84116

re: Federal 12-7 Asphalt Ridge
SW NW Sec. 7-T4S-R20E
Uintah County, Utah

Attention: Mr. Pat Driscoll

Gentlemen:

Enclosed is a copy of the "Well Completion or Recompletion Report and Log" for the above mentioned well. Also enclosed are the logs run for this well; the DIL, BHC/Sonic, Amplitude Variable Density and the Compensated Neutron Density.

If there are any additional questions or requirements, please do not hesitate to contact this office.

Respectfully yours,

Ronald D. Scott
Division Drilling Engineer

RDS/gs
Enclosures



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

FILE 4

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input checked="" type="checkbox"/>	Other										
b. TYPE OF COMPLETION:		NEW WELL <input type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other								
2. NAME OF OPERATOR Houston Oil and Minerals Corporation															
3. ADDRESS OF OPERATOR 1700 Broadway - Suite 504, Denver, Colorado															
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 647 FWL 660 FNL of Section 6, T39S, R14E At top prod. interval reported below same At total depth same															
14. PERMIT NO.				DATE ISSUED 9-17-76		12. COUNTY OR PARISH San Juan		13. STATE Utah							
15. DATE SPUDDED 8-3-76	16. DATE T.D. REACHED 9-22-76	17. DATE COMPL. (Ready to prod.) N/A		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* GLE 5383'		19. ELEV. CASINGHEAD N/A									
20. TOTAL DEPTH, MD & TVD 6243'		21. PLUG, BACK T.D., MD & TVD N/A		22. IF MULTIPLE COMPL., HOW MANY* ---		23. INTERVALS DRILLED BY ROTARY TOOLS yes		CABLE TOOLS							
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* N/A								25. WAS DIRECTIONAL SURVEY MADE No							
26. TYPE ELECTRIC AND OTHER LOGS RUN DIL/LL8, BHC/Sonic, Dipmeter								27. WAS WELL CORED No							
28. CASING RECORD (Report all strings set in well)															
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD	AMOUNT PULLED						
22"		-		40'		30"		100 SX	None						
13-3/8"		48.0		148'		17 1/2"		190 SX	None						
9-5/8"		32.3		1659'		12 1/4"		175 SX	760'						
7"		23.0		4426'		8-3/4"		60 SX	3657'						
29. LINER RECORD									30. TUBING RECORD						
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)				
N/A															
31. PERFORATION RECORD (Interval, size and number) N/A						32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.									
						DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED							
						4426-80'		1000 gals 15% HCL							
33.* PRODUCTION															
DATE FIRST PRODUCTION N/A		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)						WELL STATUS (Producing or shut-in) Plugged & Abandoned							
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD		OIL—BBL.		GAS—MCF.		WATER—BBL.	GAS-OIL RATIO		
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.		GAS—MCF.		WATER—BBL.		OIL GRAVITY-API (CORR.)			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)										TEST WITNESSED BY					
35. LIST OF ATTACHMENTS Duplicate set of all logs run															
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records															
SIGNED		Ronald D. Scott						TITLE		Drilling Engineer		DATE		10-8-76	

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 32.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROSITY ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Chinle	580	2090	Shale			
Cedar Mesa	2090	3470	Sandstone			
Hermosa	3470	4923	Polomite, Limestone, Sandstone, Shale			
Molas	4923	5092	Shale, Lime cobbles			
Mississippian	5092	5700	Limestones, Dolomites			
Devonian	5700	6110	Limestones, Dolomites			
Cambrian	6110	TD	Limestone			



CALVIN L. RAMPTON
Governor

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

CLEON B. FEIGHT
Director

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771
April 14, 1977

OIL, GAS, AND MINING BOARD

GUY N. CARDON
Chairman

CHARLES R. HENDERSON
ROBERT R. NORMAN
JAMES P. COWLEY
HYRUM L. LEE

Houston Oil & Minerals Corporation
1700 Broadway, Suite 504
Denver, Colorado 80290

Re: Well No. FEDERAL 11-6
Sec. 6, T. 39S, R. 14E
San Juan County, Utah

Gentleman:

This letter is to advise you that the electric and or radioactivity logs for the above referred to well are due and have not been filed with this office as required by our rules and regulations.

If electric and or radioactivity logs were not run on said well, please make a statement to this effect in order that our records may be kept accurate and complete.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

KATHY OSTLER
RECORDS CLERK